

# CHANG CHUN CHEMICAL(ZHANGZHOU) CO., LTD.

Baosheng Rd, Longchi Industry Park, Taiwanese Investment Zone, Zhangzhou, Fujian, China  
TEL : 86-596-6269085 FAX : 86-596- 26269688

## Engineering Plastics

### Nylon-6

## PA 10G6

### Technical Data

#### CCP PA 10G6

PA 10G6 is a glass fiber 15% reinforced injection moulding grade.

PA 10G6為 30%玻璃纖維強化聚酰胺複合材料

#### Characteristics品質特性

- 1)excellent mechanic and compressive strength優越的機械與抗壓強度
- 2)excellent heat-resistant優越的耐熱性
- 3)excellent wear property優越的耐磨耗性
- 4)excellent fatigue durability優越的耐疲勞性
- 5)excellent moldability優越的成型性
- 6)High resistance to fuels, oil, fats and many solvents高抗燃料、油料、溶劑特性

#### Injection Moulding Condition

Cylinder temperatures : 240-270°C  
料管溫度

Nozzle temperature : 260-270°C  
射嘴溫度

Mould temperature : 40-120°C, suitable temperature 60-80°C  
模溫

Injection rate : middle – fast  
射速

Screw speed : 60-120 rpm, to be chosen in such a way that  
螺桿轉速 plasticizing time is just within cooling time.

Pressure Injection pressure : 500-1200kg/cm<sup>2</sup>  
壓力 射壓

Holding pressure : 300-800kg/cm<sup>2</sup>  
保壓

Back pressure : 0-3kg/cm<sup>2</sup>  
背壓

#### Packaging包裝

25kg/aluminum foil bag 铝箔紙袋包裝 25kg

#### Material handing

Moisture pick-up from ambient air should be avoided. Keep hopper properly closed.

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Property 质量特性	Value 测试值	Unit 单位	Test method ASTM
Ash灰份	15	%	
Specific gravity比重	1.36	-	D792
Melting point熔点	225	°C	DSC
Heat deflection temperature under load			
热变形温度 --- 18.6kg/cm <sup>2</sup>	209	°C	D648
--- 4.6kg/cm <sup>2</sup>	219	°C	D648
Tensile strength引张强度	1229	kg/cm <sup>2</sup>	D638
Tensile elongation断裂伸长率	4.6	%	D638
Flexural strength挠曲强度	1848	kg/cm <sup>2</sup>	D790
Flexural modulus挠曲弹性率	51000	kg/cm <sup>2</sup>	D790
Izod impact strength冲击强度	8	kg.cm/cm	D256
Dielectric strength, 2mm绝缘破坏强度	26	kV/mm	D149
Comparative Tracking Index漏电起痕指数	550	v	D3638
UL94阻燃等级 (0.8mm)	HB	-	UL94

(1) For reference only

(2) All data in the table are the typical values of the material and not the minimum values of the material specifications.

※以上数据仅为典型值，而非规格值。